# 505322178 02/11/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5368959

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
JARED N. CUMMING	04/26/2017
KEVIN D. DYKSTRA	04/24/2017
ALAN HRUZA	05/09/2017
DERUN LI	04/26/2017
HONG LIU	05/09/2017
HAIQUN TANG	05/09/2017
BRANDON M. TAOKA	05/09/2017
ANDREAS VERRAS	05/09/2017
SHAWN P. WALSH	05/09/2017
WEN-LIAN WU	04/20/2017

## **RECEIVING PARTY DATA**

Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
Internal Address:	RY86-2011A
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16324596

## **CORRESPONDENCE DATA**

**Fax Number:** (732)594-4720

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 7325946819

Email: US EFS@MERCK.COM

Correspondent Name: MERCK SHARP & DOHME CORP.
Address Line 1: 126 EAST LINCOLN AVENUE

Address Line 2: RY86-2011A

Address Line 4: RAHWAY, NEW JERSEY 07065

PATENT 505322178 REEL: 048291 FRAME: 0118

ATTORNEY DOCKET NUMBER:	24330-US-PCT
NAME OF SUBMITTER:	EMILY LANG
SIGNATURE:	/Emily Lang/
DATE SIGNED:	02/11/2019
Total Attachments: 18	

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> PATENT REEL: 048291 FRAME: 0119

#### WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Jared N. Cumming, located at Boston, MA
- (2) Kevin D. Dykstra, located at West Milford, NJ
- (3) Alan Hruza, located at Hackettstown, NJ
- (4) Derun Li, located at Brighton, MA
- (5) Hong Liu, located at Hillsborough, NJ
- (6) Haigun Tang, located at Belle Mead, NJ
- (7) Brandon M. Taoka, located at Hoboken, NJ
- (8) Andreas Verras, located at New York, NY
- (9) Shawn P. Walsh, located at Bridgewater, NJ
- (10) Wen-Lian Wu, located at Green Brook, NJ

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

COMPOUNDS USEFUL FOR ALTERING THE LEVELS OF BILE ACIDS FOR THE TREATMENT OF DIABETES AND CARDIOMETABOLIC DISEASE

and/or in the following application(s):

U.S. Provisional Application No. <u>62/374,964</u> filed or	n <u>8/15/2016;</u>	
U.S. Application No.	having a filing date of	_; and
PCT International Application No.	having a filing date of	•

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, without further compensation or charge to said ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of ASSIGNEE, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this 24 day of 4	nil 20/	<u> </u>	
Jared N. Cumming			
ACKNOWLEDGEMENT			
Commonwealth of Massachusetts	) ) s.s.:		
County of Suffolk	)		
On this 26 day of 6 me known, and known by me to be the acknowledged that he (she) executed	bok IL e same person(s) de the same, of his (he	20 <u>/ \$</u> , personally apscribed in and who exec c) own free will for the po	peared before me Jared N. Cumming to cuted the foregoing instrument, and urpose set forth.
(Seal)	S	vila Ja	noil
		COMMONWEALTH (	YANOVITCH Public OF MASSACHUSETTS USION Expires 18, 2022
Executed thisday of	······································	20	
Kevin D. Dykstra			
ACKNOWLEDGEMENT			
State of New Jersey			
County of Union ) s.s.:			
On this day of me known, and known by me to be the acknowledged that he (she) executed	same person descr the same, of his (he	, 20, personally a ibed in and who execut ) own free will for the po	ppeared before me <b>Kevin D. Dykstra</b> to ed the foregoing instrument, and urpose set forth.
(Seal)	:		
		Notary Public	

Page 2 of 6
Computer Generated Template "Assignment-Merck Sharp & Dohme, Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed thisd	ay of	, 20
Alan Hruza		
ACKNOWLEDGEMENT		
State of New Jersey	)	
County of Union	) s.s.: )	
known, and known by me	e to be the same person	, 20, personally appeared before me Alan Hruza to me (s) described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this QQ c	lay of April	
ACKNOWLEDGEMENT		
Commonwealth of Massa	chusetts ) ) s.s.:	
known, and known by me	to be the same person	, 20 , personally appeared before me <b>Derun Li</b> to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)		Shale Janovitch
		Notary Public  COMMONMEALTH OF MASSACHUSETTS  My Commission Expires  March 18, 2022

Page 3 of 6
Computer Generated Template "Assignment-Merck Sharp & Dohme, Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this	day of	, 20	
Hong Liu			
ACKNOWLEDGEME	NT		
State of New Jersey	) ) s.s.:		
County of Union	)		
known, and known by	me to be the same	, 20, personally ap person(s) described in and who executed same, of his (her) own free will for the pu	the foregoing instrument, and
(Seal)			
		Notary Public	<del></del>
Executed this	day of	, 20	
Haiqun Tang			
ACKNOWLEDGEME	NT		
State of New Jersey	)		
County of Union	) s.s.: )		
	me to be the same	, 20, personally a person described in and who executed the same, of his (her) own free will for the pu	ne foregoing instrument, and
(Seal)			
		Notary Public	

Page 4 of 6
Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this	day of	, 20
Brandon M. Taoka		<del>_</del>
ACKNOWLEDGEME	ENT	
State of New Jersey	) ) s.s.:	
County of Union	)	
On this me known, and know acknowledged that he	day of on by me to be the same e (she) executed the sa	, 20, personally appeared before me <b>Brandon M. Taoka</b> to e person(s) described in and who executed the foregoing instrument, and ame, of his (her) own free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this	day of	, 20
Andreas Verras		
ACKNOWLEDGEME	ENT	
State of New Jersey	)	
County of Union	) s.s.: )	
me known, and know	n by me to be the same	, 20, personally appeared before me <b>Andreas Verras</b> to experson described in and who executed the foregoing instrument, and time, of his (her) own free will for the purpose set forth.
(Seal)		
		Notary Public

Executed this	day of	, 20
Shawn P. Walsh	31.47.44.4.67.4.4.44.4.4.4.4.4.4.4.4.4.4.4	
ACKNOWLEDGEME	NT	
State of New Jersey	) ) s.s.:	
County of Union	,	
On this me known, and know acknowledged that he	day of n by me to be the same pe e (she) executed the same	, 20, personally appeared before me <b>Shawn P. Walsh</b> to erson(s) described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Soal)		
(Seal)		
		Notary Public
Executed this	day of	, 20
Wen-Lian Wu		
ACKNOWLEDGEME	NT .	
State of New Jersey	) ) s.s.:	
County of Somerset	)	
On this known, and known by acknowledged that he	day of day of me to be the same persoe (she) executed the same	, 20, personally appeared before me <b>Wen-Lian Wu</b> to me on described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)		Notary Public
		NOTALA LADIR

Page 6 of 6
Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

#### WORLDWIDE ASSIGNMENT

## WHEREAS, I/WE,

- (1) Jared N. Cumming, located at Boston, MA
- (2) Kevin D. Dykstra, located at West Milford, NJ
- (3) Alan Hruza, located at Hackettstown, NJ
- (4) Derun Li, located at Brighton, MA
- (5) Hong Liu, located at Hillsborough, NJ
- (6) Haigun Tang, located at Belle Mead, NJ
- (7) Brandon M. Taoka, located at Hoboken, NJ
- (8) Andreas Verras, located at New York, NY
- (9) Shawn P. Walsh, located at Bridgewater, NJ
- (10) Wen-Lian Wu, located at Green Brook, NJ

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

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and/or in the following application(s):

U.S. Provisional Application No. <u>62/374,964</u> filed or	n <u>8/15/2016;</u>		
U.S. Application No.	having a filing date of	_; and	Ņ
PCT International Application No.	having a filing date of	·	

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

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Executed this day of	
Jared N. Cumming	
ACKNOWLEDGEMENT	
Commonwealth of Massachusetts )	
County of Suffolk ) s.s.:	
On this day of me known, and known by me to be the same perso acknowledged that he (she) executed the same, or	, 20, personally appeared before me <b>Jared N. Cumming</b> to on(s) described in and who executed the foregoing instrument, and f his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this 24th day of 2pril  Kevin D. Dykstra	
ACKNOWLEDGEMENT	
State of New Jersey ) s.s.:  County of Union  On this Other day of Other same person acknowledged that he (she) executed the same, of	, 20 / 7, personally appeared before me <b>Kevin D. Dykstra</b> to on described in and who executed the foregoing instrument, and f his (her) own free will for the purpose set forth.
(Seal)	Notary Public PAMELA 9. SPALDING Notary Public State of New Jersey My Commission Expires January 06, 2019

Page 2 of 6
Computer Generated Template "Assignment-Merck Sharp & Dohme, Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this 4th day of May	_, 20_1*7.
Afan Hruza	
ACKNOWLEDGEMENT	
State of New Jersey ) s.s.:  County of Union  On this day of May of May of Mount of	, 20 <i>j*7</i> , personally appeared before me <b>Alan Hruza</b> to me described in and who executed the foregoing instrument, and his (her) own free will for the purpose set forth.
(Seal)	Notary Public PAMELA S. SPALDING Notary Public, State of New Jersey My Commission Expires January 06, 2019
Executed thisday of	, 20
Derun Li	
ACKNOWLEDGEMENT	
Commonwealth of Massachusetts ) ) s.s.: County of Suffolk )	
On this day of known, and known by me to be the same person de acknowledged that he (she) executed the same, of t	, 20, personally appeared before me <b>Derun Li</b> to me scribed in and who executed the foregoing instrument, and his (her) own free will for the purpose set forth.
(Seal)	Notary Public

Page 3 of 6
Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this 9th day of May 2017.
Hong Liur
A CUMIONI ED CERSENT
ACKNOWLEDGEMENT
State of New Jersey ) ) s.s.: County of Union )
On this
(Seal) Tarriele S. Spolding
Notary Public PAMELAS. SPALDING Notary Public, State of New Jersey My Commission Expires January 06, 2019
Executed this 9+h day of Mary, 20 17.
Haiqun Tang
ACKNOWLEDGEMENT
State of New Jersey )
) s.s.: County of Union )
On this day of, 20, 20, personally appeared before me Haiqun Tang to me known, and known by me to be the same personidescribed in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal) Panelos Spalling
Notary Public PAMELAS. SPALDING Notary Public, State of New Jersey
My Commission Expires January 06, 2019

Executed this 9th day of May 2017.
·
Brandon M. Taoka
ACKNOWLEDGEMENT
State of New Jersey ) ) s.s.:
County of Union )
On this day of day of 20 7, personally appeared before me <b>Brandon M. Taoka</b> to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal) $S = S = A \cdot A$
Notary Public
PAMELAS. SRAEDING  PAMELAS. SRAEDING  Notary Public, State of New Jersey  My Commission Expires  My Commission Expires  January 06, 2019
Continued transfer and transfer
Executed this 9th day of May, 2017.
Atidreas Verras
ACKNOWLEDGEMENT
State of New Jersey )
County of Union ) s.s.:
On this 9th day of May . 2017, personally appeared before me Andreas Verras to me known, and known by me to be the same person described in and who executed the foregoing instrument, and
acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal) $\mathcal{O}_{+}$ $\mathcal{O}_{-}$ $$
Notary Public PAMELAS SPALDING
Notary Public, State of New Jersey  My Commission Expires
January 06, 2019

Page 5 of 6
Computer Generated Template "Assignment-Merck Sharp & Dohme, Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this <u>9</u> day of	of May 2017.
Jau L. Walsh Shawn P. Walsh	<u>L</u>
ACKNOWLEDGEMENT	
State of New Jersey	) s.s.:
County of Union	)
me known, and known by me	ay of, 20_17, personally appeared before me <b>Shawn P. Walsh</b> to e to be the same person(s) described in and who executed the foregoing instrument, and executed the same, of his (her) own free will for the purpose set forth.
(Seal)	Temela S. Spalding
en light grade and collins of the co	Notary Public PAMELA S. SPALDING
	Notary Public, State of New Jersey My Commission Expires January 06, 2019
Executed thisday	of, 20
Wen-Lian Wu	
ACKNOWLEDGEMENT	
State of New Jersey	) )s.s.:
County of Somerset	)
On this on this on this on the control of the cont	day of, 20, personally appeared before me <b>Wen-Lian Wu</b> to me be the same person described in and who executed the foregoing instrument, and executed the same, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Page 6 of 6
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U.S. Application No.	having a filing date of	_; and
PCT International Application No.	having a filing date of	·

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

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Executed this day of	_, 20
Jared N. Cumming	
ACKNOWLEDGEMENT	
Commonwealth of Massachusetts )	
Commonwealth of Massachusetts ) ) s.s.:  County of Suffolk )	
On this day of me known, and known by me to be the same person acknowledged that he (she) executed the same, of h	, 20, personally appeared before me <b>Jared N. Cumming</b> to n(s) described in and who executed the foregoing instrument, and nis (her) own free will for the purpose set forth.
(Seal)	
_	Notary Public
Executed thisday of	, 20
Vertical De De Leafur	
Kevin D. Dykstra	
ACKNOWLEDGEMENT	
State of New Jersey )	
County of Union ) s.s.:	
On this day of me known, and known by me to be the same person acknowledged that he (she) executed the same, of h	, 20, personally appeared before me <b>Kevin D. Dykstra</b> to described in and who executed the foregoing instrument, and his (her) own free will for the purpose set forth.
	•
(Seal)	
-	Notary Public

Page 2 of 6
Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this	day of	, 20
Alan Hruza		
ACKNOWLEDGEM	IENT	
State of New Jersey	) ) s.s.:	
County of Union	) 5.5	
On this known, and known i acknowledged that i	day of by me to be the same pe he (she) executed the sa	, 20, personally appeared before me <b>Alan Hruza</b> to me rson(s) described in and who executed the foregoing instrument, and me, of his (her) own free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this	day of	, 20
Derun Li		
ACKNOWLEDGEM	IENT	
Commonwealth of N	•	
County of Suffolk	) s.s )	. <b>:</b>
On this known, and known I acknowledged that	day of by me to be the same pe he (she) executed the sa	, 20, personally appeared before me <b>Derun Li</b> to me rson described in and who executed the foregoing instrument, and me, of his (her) own free will for the purpose set forth.
(Seal)		
		Notary Public

Page 3 of 6 Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this	day of	, 20		
Hong Liu	***************************************			
ACKNOWLEDGEME	ENT			
State of New Jersey	) ) s.s.:			
County of Union	ý			
On this known, and known by acknowledged that he	day of / me to be the same pe e (she) executed the sa	, 20, personson(s) described in and who me, of his (her) own free will for	onally appeared before me <b>Hong Liu</b> to executed the foregoing instrument, and or the purpose set forth.	me
(Seal)				
(Ocar)		Notar	y Public	
Executed this	day of	, 20		
Haiqun Tang				
ACKNOWLEDGEME	:NT			
State of New Jersey	) ) s.s.:			
County of Union	) 5.5			
On this known, and known by acknowledged that he	day of me to be the same per e (she) executed the same	, 20, pers rson described in and who exe me, of his (her) own free will fo	sonally appeared before me Haiqun Talecuted the foregoing instrument, and or the purpose set forth.	<b>ng</b> to me
(Seal)				
		Notar	y Public	

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Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this	day of	, 20
Brandon M. Taoka		-
ACKNOWLEDGEMEN	IT	
State of New Jersey	) ) s.s.:	
County of Union	)	
me known, and known	by me to be the same p	, 20, personally appeared before me <b>Brandon M. Taoka</b> to erson(s) described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seel)		
(Seal)		
		Notary Public
Executed this	_day of	, 20
Andreas Verras	A CONTRACTOR OF THE CONTRACTOR	<u></u>
ACKNOWLEDGEMEN	IT	
State of New Jersey	) ) s.s.:	
County of Union	)	
On this me known, and known acknowledged that he	day of by me to be the same p (she) executed the same	, 20, personally appeared before me <b>Andreas Verras</b> to erson described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)		
		Notary Public

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Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this da	ay of	, 20
Shawn P. Walsh		
ACKNOWLEDGEMENT		
State of New Jersey	) ) s.s.:	
County of Union	)	
me known, and known by	me to be the same pers	, 20, personally appeared before me <b>Shawn P. Walsh</b> to son(s) described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
	*	
(Seal)		
		Notary Public
Executed this 20 d	ay of April	
Wen-Lian Wu	- Tunin	
ACKNOWLEDGEMENT		
State of New Jersey	) ) s.s.:	
County of Somerset	)	
known, and known by me	to be the same person of	, 20 <u>) ,</u> personally appeared before me <b>Wen-Lian Wu</b> to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)		Be a Her
		Notary Public

BRYAN M. THOMSON NOTARY PUBLIC OF NEW JERSEY My Commission Expires 11/29/2021

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